

## ABSTRACT OF THE DISCLOSURE

~~To provide~~ The invention provides an optical filter, an optical device, and a projector, which make it possible to project a high-quality image by reducing or preventing color unevenness of the projected image. An optical ~~filter~~ 500-~~filter~~ is used in a projector ~~comprising~~ ~~that includes~~ liquid crystal panels ~~for modulating~~ ~~to modulate~~ light beams from a light source (lamp) in accordance with image information to form optical images. The optical ~~filter~~ 500-~~filter~~ is disposed downstream from the liquid crystal panels in a light path, and ~~comprises~~ ~~includes~~ a ~~substrate~~ 510-~~substrate~~ and an optical conversion ~~film~~ 520-~~film~~. The optical conversion ~~film~~ 520-~~film~~ is disposed on a light-incident surface of the ~~substrate~~ 510-~~substrate~~ and ~~comprises~~ ~~includes~~ two types of thin films 521 and 522 having different refractive indices and being alternately stacked. The optical conversion ~~film~~ 520-~~film~~ becomes continuously thinner from one ~~end~~ 520A-~~end~~ to the other ~~end~~ 520B-~~end~~ of the optical conversion ~~film~~ 520-~~film~~, so that it is inclined with respect to the ~~substrate~~ 510-~~substrate~~. Since the optical conversion ~~film~~ 520-~~film~~ becomes continuously thinner, it is possible to project a high-quality image by reducing or preventing color unevenness of the projected image.